

Title: MANUFACTURE OF INORGANIC FIBER REINFORCED CEMENT
PRODUCT JP01290402A

Abstract: PURPOSE: To improve the homogeneity by reducing the maldistribution of fibers in a product and consequently obtain a high strength and low absorption product by a method wherein the fibers, to which specified surface treatment is applied, are dispersed in water and hydroextracted in a paper making process by adding various paper-making aids in combination.

CONSTITUTION: Inorganic fiber aggregate may well be dispersed in water after being adhered by surface active agent or both the aggregate and the agent may well be simultaneously dispersed in water. The resultant inorganic fibers are agitated with water and, after that, cements and aggregate and the like, when necessary are added to said fibers. Further, pulp, clays and polymeric flocculant in combination are added to the resultant fibers so as to form fiber- containing cement slurry. The slurry is hydroextracted in paper making process with a cylinder mold, wound up and piled up so as to be turned into a product through press-molding process. Since slurry, in which fibers are uniformly dispersed in water, can be formed, the maldistribution of the fibers in the product is reduced and consequently the lowering of homogeneity, strength and the like can be reduced. Furthermore, the water filtering time can be controlled and the trapping property of cement particle can be improved.

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